

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Andrew Wright on June 20, 2008.

2. The application has been amended as follows:

CLAIMS

In claim 18, line 1

Inserted after "comprising" computer program code in combination with hardware, the computer program code being stored on a storage media and comprising

In claim 25, lines 1-2

Replaced "computer usable medium" with storage media

In claim 25, line 2

Replaced "medium" with storage media

3. Claims 1, 3-7, 10-13, 16-25, 30-33 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Regarding independent claim 1, prior art of record does not teach marking a second set of columns within the view as if the second set of columns were already sorted and categorized prior to actual sorting and categorizing of the second set of columns, the second set of columns including all columns exclusive of the first set of columns, and sorting and categorizing at least one column of the second set of columns in response to performing a query on the at least one column, wherein the database is a non-relational database, the sorting and categorizing a first set of columns step includes assigning the first set of columns to a portion of a cache, the sorting and categorizing at least one column of the second set step includes sorting and categorizing the at least one column of the second set of columns in another portion of the cache.

Regarding independent claim 7, prior art of record does not teach marking a second set of columns within the view as if the second set of columns were already sorted and categorized prior to actual sorting and categorizing of the second set of columns, the second set of columns including all columns exclusive of the first set of columns, sorting and categorizing at least one column of the second set of columns in response to performing a query on the at least one column, maintaining the first set of columns in a portion of cache and maintaining the at least one column of the second set of columns in another portion of cache.

Regarding independent claim 18, prior art of record does not teach a component to mark a second set of columns within the view, wherein the second set of columns comprises all columns within the view that are not in the first set of columns, and wherein the mark indicates that sorting and categorizing has been performed on the second set of columns without actually having performed the sorting and the categorizing, a component to sort and categorize at least one column of the second set of columns in response to a query on the at least one column and a component to sort and categorize the at least one column of the second set in a portion of a cache and assign the first set of columns to another portion of the cache, wherein the database is a non-relational database.

Regarding independent claim 25, prior art of record does not teach a second computer program code to mark a second set of columns within the view, wherein the second set of columns comprises all columns within the view that are not in the first set of columns, and wherein the mark indicates that sorting and categorizing has been performed on the second set of columns without actually having performed the sorting and the categorizing, and a third computer program code to sort and categorize at least one column of the second set of columns in response to a query on the at least one column, wherein the first set of columns are assigned to a portion of a cache, the at least one column of the second set of columns is assigned to another portion of the cache, the database is a non-relational database.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Name of Contact

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl Lewis whose telephone number is (571) 272-4113. The examiner can normally be reached on 6:30-3:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

(571) 273-4113 (Use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper/amendment be faxed directly to them on occasions.).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/ Technology Center (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Cheryl Lewis/
Primary Examiner, Art Unit 2167
February 11, 2009